

Product Name: AzP3S

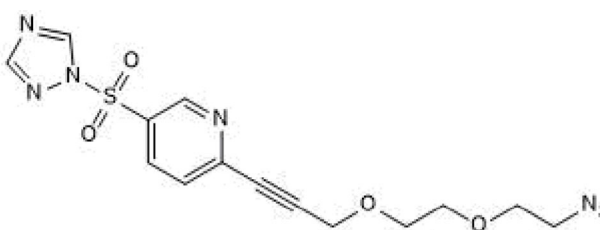
Catalog No.: 7975

Batch No.: 1

IUPAC Name: 5-((1*H*-1,2,4-Triazol-1-yl)sulfonyl)-2-(3-(2-(2-azidoethoxy)ethoxy)prop-1-yn-1-yl)pyridine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₁₅N₇O₄S
Batch Molecular Weight: 377.38
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	44.56	4.01	25.98
Found	44.53	4.03	25.6

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

AzP3S is a pyridine sulfonyl triazole for modifying RNA via RNA 2'-OH sulfonylation. AzP3S can be used for RNA SHAPE-MaP experiments in cell lines and bacteria. Allows fluorescent labeling of RNA using Cu-free click chemistry. Stable in aqueous media and in storage at room temperature, can be purified with silica gel chromatography.

Physical and Chemical Properties:

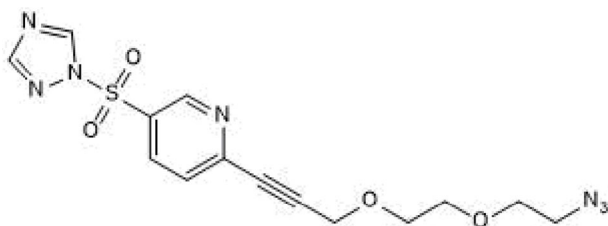
Batch Molecular Formula: C₁₄H₁₅N₇O₄S

Batch Molecular Weight: 377.38

Physical Appearance: Off White solid

Minimum Purity: ≥95%

Batch Molecular Structure:



References:

Chatterjee *et al* (2023) Sulfonylation of RNA 2'-OH groups. ACS Cent.Sci **9** 531. PMID: 36968531.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956